

Tableau Dashboard Analysis

- **Date:** 21 June 2025
- **Team ID:** LTVIP2025TMID50326
- **Project Name:** *Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis*
- **Development Phase:** Model Performance Test

Model Performance Testing Overview

Data Rendered:

- Comprehensive country-level indicators across multiple years
- Includes: Economic Score/Index, Country ID/Name, GDP stats, Tax Rates, FDI Inflow, Government Spending, Income Tax, Inflation, Unemployment, etc.

Data Preprocessing:

- Data Cleaning (missing values, naming standardization)
- Data Transformation (aggregating, computing indices)
- Geographic Mapping Prep for Tableau
- Feature Engineering (e.g., 5-Year GDP Growth Rate)

Filters Used:

- Country Name Filter
- Economic Indicator Filters (Inflation, Unemployment, GDP)
- Interactive Map Selection

Calculated Fields:

- Economic Score/Index
- 5-Year GDP Growth Rate
- Country Rankings
- Regional Groupings

Primary Dashboard:

- Correlation Chart
- Horizontal Bar Chart
- "Insights Overview" Text Box

- Top 40 Ranked Countries
- Countries Below Economic Index Score of 25

Story Design:

- *Journey Through the 2002 Global Economy* with 7 visual story points:
 1. World Map of Economic Score
 2. Top 40 Country Rankings
 3. Least Ranked Economies
 4. Inflation & Unemployment Correlation
 5. Index of Population
 6. Financial Freedom Index
 7. 5-Year GDP Growth Rate Overview